

Guzhala, Ye. M.

PHASE I BOOK EXPLOITATION

SOV/6150

Akademiya nauk Latvyskoy SSR. Institut eksperimental'noy meditsiny.

Voprosy kurortologii. [t.] 5: Problemy fiziologicheskogo deystviya i terapevticheskogo primeneniya aeroionov (Problems in Health-Resort Therapy. v. 5: Studies of the Physiological Effect and Therapeutic Application of Air Ions). Riga, Izd-vo AN Latvyskoy SSR, 1959. 424 p. (Series: Its: Trudy, t. 20) Errata slip inserted. 1000 copies printed.

Sponsoring Agency: Akademiya nauk Latvyskoy SSR. Institut eksperimental'noy meditsiny.

Editorial Board: Resp. Ed.: L. L. Vasil'yev, Professor, P. D. Perli, Professor, F. G. Porthov, Candidate of Medical Sciences, Ya. Yu. Reynet, Candidate of Physical and Mathematical Sciences, and L.M. Tutkevich, Candidate of Medical Sciences; Ed.: A. Vengranovich; Tech. Ed.: A. Zhukovskaya.

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Problems in Health-Resort (Cont.)

SOV/6150

PURPOSE: This book is intended for physicians working at health resorts and for the general practitioner.

COVERAGE: This book, a collection of articles, is essentially the proceedings of the Second Conference on the Physiological Effect and Therapeutic Application of Air Ions, held at Riga (Latvian SSR) in December 1957. The use of negative air ions is believed to be beneficial in the treatment of nonhealing wounds and ulcers which often result from radiation injury. The book contains photos of numerous devices described in the text. Numerous references, mostly Soviet, are given at the end of some of the articles.

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Problems in Health-Resort (Cont.)

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- Gazhala, Ye. M. Influence of Lightweight Air Ions
Upon the Heart Muscle of a Rabbit Under Normal
Conditions and With Experimental Diphtherial Myo-
carditis 187
- Pislyegin, A. K. The Biological Significance of Air
Ions and Some Peculiarities of Their Effect Upon
the Organism 195
- Liyepa, V. E. Influence of Various Doses of Air Ions
Upon the Excitability of the Neuromuscular System 205
- Siyre, E. K. Some Physiological Indices of the Ef-
fect of Negatively and Positively Ionized Atmos-
pheric Gas and Water Molecules 215
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of Positive and Negative Air Ionization on the Cy-
tology of the Blood and Connective Tissue of White
Rats 221

Card 6/7

GAZHALA, Ye. M.

USSR / Human and Animal Physiology (Normal and Pathology). Nervous System. General Problems T

Abs Jour: Ref Zhur-Biologiya, No 21, 1958, 97838

Author : Vasil'yeva, V. K., Gazhala, Ye. M.

Inst : Leningrad State University

Title : On the Mechanism of Change of Skin Potentials

Orig Pub: Uch. zap. LGU, 1957, No 222, 125-142

Abstract: In man, cat, rabbit, and frog the value of skin-polarizing potentials (SP), generated by polarization of skin with direct current, depends on the metabolism of the given organism and also on the functional state of the nervous system and obeys Ohms law. SP is higher in warmblooded animals than incoldblooded; in children they are higher

Card 1/2

Kafedra fiziol. cheloveka i zhivotnykh

GAZHALA, Ye.M.

Effect of light aerions on the cardiac activity of the rabbit
according to electrocardiographic data. Uch. zap. LGU no.239:31-37
'58. (MIRA 12:1)

1. Kafedra fiziologii cheloveka i zhivotnykh Leningradskogo
gosudarstvennogo universiteta.
(AIR IONIZED--PHYSIOLOGICAL EFFECT) (ELECTROCARDIOGRAPHY)

GAZHALA, Ye.M.; GEGZYAN, D.M.

Secretory activity of the stomach following thyroidectomy in ontogeny. Fiziol.zhur. 51 no.7:870-876 '65.

(MIRA 18:10)

I. Institut evolyutsionnoy fiziologii i biokhimi i imeni I.M.Sechenova
AN SSSR, Leningrad.

GAZHALIYA, G. Ya.

~~GAZHALIYA, G. Ya.~~

Hakhiya, G. Ya. On some covering theorems for functions regular in doubly connected regions. Akad. Nauk Gruzii. SSR. Trudy Mat. Inst. Razmadze 18, 245-256 (1951). (Russian. Georgian summary)

Let Σ be the class of functions $f(z)$ which are regular and single-valued in $D_R: 1 < |z| < R$, and for which $|f(z)| > 1$, and $(2\pi i)^{-1} \int f'(z) f^{-1}(z) dz \geq 1$ on the curves $|z| = c$ in D_R . The author defines the star of a doubly connected region in a manner too complicated to be reproduced here. It is his contention that if $f(z) \in \Sigma$, and if D^* is the star of D , the image of D_R under $f(z)$, then the area of D^* is not less than $\pi(R^2 - 1)$, and the length of the outer bounding curve of D^* is not less than $2\pi R$. The author's definition of the star of a doubly connected region is not meaningful to the reviewer, and the proofs seem to have serious gaps.

A. W. Goodman (Lexington, Ky.).

SUBJ: Mathematical Reviews, Vol. 14, No. 6, June 1953, Unclassified

GAZHAILOV, N., inzh.

From wood waste. Nauka i pered.op. v sel'khoz. 8 no.11:69-70 № 158.
(MIRA 11:12)

(Wood waste)

GAZHAILOV, N., insh.

Making slabs of wood wastes. Sel'. stroi. 12 no.4:27 4p '58.
(MIRA 11:5)

(Wood, Compressed)

GAZHAYEV, S. B., ZHIGACH, K. F., MURAVYOV, I. N., SUKHAYEV, G. I.

"Higher and Secondary Petroleum Education in the Soviet Union."

Report submitted at the Fifth World Petroleum Congress, 30 May -
5 June 1959. New York.

Gazheman, I.L.

26.5000

82132
S/124/60/000/002/007/012

Translation from: Referativnyy zhurnal, Mekhanika, 1960, No. 2, p. 49, # 1930

AUTHOR: Gazheman, I.L.

TITLE: The Influence of Manufacture Inaccuracies¹⁴ on the Annular Losses in Distributors of Turbine Welded Partitions¹⁵

PERIODICAL: Sb. tr. In-t teploenerg. AN UkrSSR, 1958, No. 14, pp 134 - 147¹⁶

TEXT: The author describes the results of an experimental study on the effect of manufacture inaccuracies in the mounting of blades with respect to the surface of the distributor bands of welded partitions in steam and gas turbines. The investigations were carried out on a plane cascade model with mobile blades. The distribution over the blade of the static pressure from the velocity fields before and behind the blades was measured. From these measurements, the local and average efficiencies of the cascade duct were determined for various positions of the blade edge with respect to the surface of the bands. It turned out that lowered outlet edges cause an increase in the annular losses more than edges protruding into the guiding duct. The author suggests to use the results obtained for determining the tolerances in manufacturing guiding partitions.

Card 1/1

V. D. Sokolov

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GAZHEIAN, I.L., Cand Tech Sci --(diss) "Experimental study of
the effect of technical ^{logical} deviations ^{upon the magnitude} ~~on the figure~~ of terminal
losses in the directing apparatus of welded diaphragms of steam
turbines." Kiev, 1959. 15 pp with drawings (Min of Higher Educa-
tion UkSSR. Kiev Order Of Lenin Polytech Inst). 100 copies
(KL,32-59, 104)

43

YEREMENKO, Aleksandra Semenovna, kand. tekhn. nauk; PECHUK, Vasiliy Ivanovich, kand. tekhn. nauk; GAZHEMAN, Ivan Lazarevich, inzh.; SHTEYNBOK, G.Yu., inzh., ved. red.; TOLCHINSKIY, Ye.M., red.; SOROKINA, T.M., tekhn. red.

[Stand for investigating aerodynamic processes in rotating models of turbine stages] Stend dlia issledovaniia aerodinamicheskikh protsessov vo vrashchaliushchikhsia modeliakh stupenei turbin. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 8 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34. No.P58-48/5) (MIRA 16:3)
(Air turbines--Testing)

VOLKOV, V.M.; GAZHIYENKO, V.A.; KURILIN, B.I.

Device for checking and self-testing of knowledge in
programmed teaching. Izv. vys. ucheb. zav.; radiotekh. 6
no.4:442-443 J1-Ag '63. (MIRA 16:11)

GAZHIYEV, V.V.; KONONYUK, G.Ya.; KOCHUBEY, P.G.

Role of agricultural animals in the epidemiology of leptospirosis
in Donetsk Province. Zhur.mikrobiol., epid. i immun. 41 no.5:67-70
My '64. (MIRA 18:2)

1. Donetskii meditsinskiy institut i Donetskaya oblastnaya
veterinarnaya laboratoriya.

L 44628-66 EWP(j) RM

ACC NR: AP6033249

SOURCE CODE: CZ/0043/66/000/002/0105/0114

AUTHOR: Kompisova, Zuzana--Kompishova, Z. (Graduate chemist; Bratislava); 29
Gazo, Jan--Gazho, Ya. (Docent; Engineer; Candidate of sciences; Bratislava) B

ORG: Department of Inorganic Chemistry, Slovak Technical University, Bratislava
 (Katedra anorganicke chemie Slovenskej vysokej skoly technickej)

TITLE: Potentiometric and conductometric investigation of chlorocupric and bromocupric complexes in acetone

SOURCE: Chemicke zvesti, no. 2, 1966, 105-114

TOPIC TAGS: spectrophotometric analysis, organocopper compound, complex molecule

ABSTRACT: The following systems were studied: $\text{CuCl}_2 \cdot 2\text{H}_2\text{O} - \text{LiCl} - \text{CH}_3 \cdot \text{CO} \cdot \text{CH}_3$; $\text{Cu}(\text{NO}_3)_2 \cdot 3\text{H}_2\text{O} - \text{LiCl} - \text{CH}_3 \cdot \text{CO} \cdot \text{CH}_3$; $\text{Cu}(\text{C}_2\text{O}_4)_2 \cdot 6\text{H}_2\text{O} - \text{LiCl} - \text{CH}_3 \cdot \text{CO} \cdot \text{CH}_3$; $\text{Cu}(\text{NO}_3)_2 \cdot 3\text{H}_2\text{O} - \text{LiBr} - \text{CH}_3 \cdot \text{CO} \cdot \text{CH}_3$; and $\text{Cu}(\text{ClO}_4)_2 \cdot 6\text{H}_2\text{O} - \text{LiBr} - \text{CH}_3 \cdot \text{CO} \cdot \text{CH}_3$.

Potentiometric and conductivity measurements were compared to results obtained by spectrophotometry. The complexes are formed with the Cupric ion ratio to that of chlorine or bromine ion being 1:3 or 1:4. The nitrate group enters into the inner part of these complexes. The stability of the complexes depends on the oxidation and reduction reactions taking place. Potentiometric curves are influenced by the presence of nitrate groups.

Orig. art. has: 11 figures. [JPRS: 36,002]

SUB CODE: 07 / SUBM DATE: 24 Mar 65 / ORIG REF: 007 / SOV REF: 001 / OTH REF: 009

Card 1/1
 b1g

IVANOV, N.I., kand.tekhn.nauk; KULAKOV, A.M., inzh.; SHAKHLIN, V.I., inzh.;
GAZHUR, F.G., inzh.; NADYRSHINA, L.S., inzh.; TVILINEV, F.Ya., inzh.

Flame stands for the investigation of thermal processes in furnaces.
Stal' 22 no.8:759 Ag '62. (MIRA 15:7)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Metallurgical furnaces—Combustion)
(Heat—Transmission)

GAZHUR, V. F.

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PHASE I BOOK EXPLOITATION

807/5556

Moscow. Institut stali.

Novoye v teorii i praktike proizvodstva martenovskoy stali (New [Developments] in the Theory and Practice of Open-Hearth Steelmaking) Moscow, Metallurgizdat, 1961. 439 p. (Series: Trudy Mezhdvuzovskogo nauchnogo soveshchaniya) 2,150 copies printed.

Sponsoring Agency: Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya RSFSR. Moskovskiy institut stali imeni I. V. Stalina.

Eds.: M. A. Glinkov, Professor, Doctor of Technical Sciences, V. V. Kondakov, Professor, Doctor of Technical Sciences, V. A. Kudrin, Docent, Candidate of Technical Sciences, G. N. Oyks, Professor, Doctor of Technical Sciences, and V. I. Yavovskiy, Professor, Doctor of Technical Sciences; Ed.: Ye. A. Borko; Ed. of Publishing House: N. D. Gromov; Tech. Ed.: A. I. Karasev.

PURPOSE: This collection of articles is intended for members of scientific institutions, faculty members of schools of higher education, engineers concerned with metallurgical processes and physical chemistry, and students specializing in these fields.

Card 1/14

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New [Developments] in the Theory (Cont.)

SOV/5556

COVERAGE: The collection contains papers reviewing the development of open-hearth steelmaking theory and practice. The papers, written by staff members of schools of higher education, scientific research institutes, and main laboratories of metallurgical plants, were presented and discussed at the Scientific Conference of Schools of Higher Education. The following topics are considered: the kinetics and mechanism of carbon oxidation; the process of slag formation in open-hearth furnaces using in the charge either ore-lime briquets or composite flux (the product of calcining the mixture of lime with bauxite); the behavior of hydrogen in the open-hearth bath; metal desulfurization processes; the control of the open-hearth thermal melting regime and its automation; heat-engineering problems in large-capacity furnaces; aerodynamic properties of fuel gases and their flow in the furnace combustion chamber; and the improvement of high-alloy steel quality through the utilization of vacuum and natural gases. The following persons took part in the discussion of the papers at the Conference: S.I. Filippov, V.A. Kudrin, M.A. Glinkov, B.P. Nam, V.I. Yavovskiy, G.M. Oyks and Ye. V. Chelishchev (Moscow Steel Institute); Ye. A. Kazachkov and A. S. Kharitonov (Zhdanov Metallurgical Institute); N.S. Mikhaylets (Institute of Chemical Metallurgy of the Siberian Branch of the Academy of Sciences USSR); A.I. Stroganov and D. Ya. Povolotskiy (Chelyabinsk Polytechnic Institute); P.V. Umrikhin (Ural Polytechnic Institute); I.I. Fomin (the Moscow "Serp i molot" Metallurgical Plant); V.A. Fuklev (Central Asian Polytechnic Institute)

Card 2/14

New [Developments] in the Theory (Cont.)

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and M.I. Beylinov (Night School of the Dneprodzerzhinsk Metallurgical Institute).
References follow some of the articles. There are 268 references, mostly Soviet.

TABLE OF CONTENTS:

Foreword

5

Yavovskiy, V. I. [Moskovskiy institut stali - Moscow Steel Institute].
Principal Trends in the Development of Scientific Research in Steel
Manufacturing

7

Filippov, S. I. [Professor, Doctor of Technical Sciences, Moscow Steel
Institute]. Regularity Patterns of the Kinetics of Carbon Oxidation
in Metals With Low Carbon Content

15

[V. I. Antonenko participated in the experiments]

Levin, S. L. [Professor, Doctor of Technical Sciences, Dnepropetrovskiy
metallurgicheskiy institut - Dnepropetrovsk Metallurgical Institute].

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New [Developments]in the Theory (Cont.)	BOV/5556	6
Gol'dfarb, E.M. [Candidate of Technical Sciences, Dnepropetrovsk Metallurgical Institute]. Introduction to the Similarity Theory of Open-Hearth Furnaces		237
Protopopov, V.S. [Engineer, Kuznetskiy metallurgicheskiy kombinat - Kuznetsk Metallurgical Combine]. Special Features of the Operation of High-Capacity Open-Hearth Furnaces		249
Glinkov, G.M. [Candidate of Technical Sciences, Zhdanovskiy metallurgicheskiy institut - Zhdanov Metallurgical Institute]. Heat-Engineering Problems of High-Capacity Open-Hearth Furnaces		253
Ivanov, N.I. [Docent, Candidate of Technical Sciences], <u>V.F. Gashur</u> and V.I. Shakhlin [Engineers], [Magnitogorskiy metallurgicheskiy kombinat - Magnitogorsk Metallurgical Combine; Magnitogorskiy gorno-metallurgicheskiy institut - Magnitogorsk Mining and Metallurgical Institute]. Theoretical Principles of the Unit-Block System in the Design of Open-Hearth Furnaces		260

Card 9/14

DIKSHTEYN, Ye.I.; MAGIDSON, M.A.; SHATUKHOV, A.I.; GAZHUR, V.F.

Improving the luminance and organizing the natural gas fuel
spray. Stal' 24 no.10:890-892 0 '64. (MIRA 17:12)

1. Magnitogorskiy metallurgicheskiy kombinat i Chelyabinskiy
nauchno-issledovatel'skiy institut metallurgii.

GAZI-BASKOVA, Valentina

Geographic distribution of *Scilla pratensis* W. et K.
Biol glas 15 no. 1:49-54 '62.

1. Zavod za botaniku Sumarskog fakulteta i Zavod za botaniku
Veterinarskog fakulteta u Zagrebu.

GAZI-BASKOVA, V.

Meadow vegetation over the marshy soils of Krbavsko Polje and Donojopolacko Polje. Zemljiste biljka 12 no.1/3:247-252 Ja-D '63.

1. Botanical Institute of the Agricultural Faculty, Zagreb.

VORNOV, F.D.; BIGEYEV, A.M.; DIKSHTEYN, Ye.I.; TRIFONOV, A.G.; KAZAKOV,
A.I.; KOROLEV, A.I.; BORODIN, G.L.; ANTIPIIN, V.G.; KULAKOV, A.M.;
KOZHANOV, M.G.; GAZHUR, V.F.

Investigating the operation of 400-ton open-hearth furnaces
following redesign. Stal' 22 no.10:904-907 0'62. (MIRA 15:10)

1. Magnitogorskiy metallurgicheskiy kombinat i Magnitogorskiy
gorno-metallurgicheskiy institut.
(Open-hearth furnaces)

GAZIEW, Korganow

Poland

Eksploatacja ńieftianych ńiestorozdeniń

SO: Oil-Well, by Z. Onyszkiewicz, PWSZ, Warsaw, 1955, Unclassified.

GAZIKALOVIC, Svetozar, Potpukovnik dr.

Prosthesis in plastic and maxillo-facial surgery. Voj. san. pregl., Beogr. 13 no.3-4:194-200 Mar-Apr 56.

1. Klinika za plasticku hirurgiju VMA.

(PROTHESIS

use in plastic & maxillo-facial surg. (Ser))

(FACE, surg.

maxillo-facial surg., use of prosth. (Ser))

(MANDIBLE, surg.

same)

(SURGERY, PLASTIC,

use of prosth. (Ser))

KARAKASEVIC, Bogdan, Prof., dr.; GAZIKALOVIC, Zlatija, aps., med.

Phosphatase test in differentiation of *Micrococcus pyogenes*
from non-pathogenic types of micrococci. Higijena, Beogr. 7 no.
1-4:259-263 1955.

1. Mikrobioloski institut Medicinskog fakulteta, Skoplje.
(MICROCOCCUS PYOGENES,
differ. from non-pathogenic Micrococci, phosphatase
test comparative value (Ser))
(MICROCOCCI,
differ. of non-pathogenic types from *Micrococcus pyogenes*,
phosphatase test, comparative value (Ser))

GAZIKALOVIC, Z.

KARAKASEVIC, B.; GAZIKALOVIC, Z.

Differentiation of *Micrococcus pyogenes* from non-pathogenic species of micrococci with phosphatase test. Higijena, Beogr. 8 no.4:237-239 1956.

1. Mikrobioloski institut medicinskog fakulteta, Skoplje.

(MICROCOCCUS PYOGENES,

phosphatase test in differ. from non-pathogen.

micrococci (Ser))

(PHOSPHATASE,

phosphatase test in differ. of *Micrococcus pyogenes* from

non-pathogen. micrococci (Ser))

L 33352-66 EWP(t)/EWP(k)/ETI IJP(c) JD/HW

ACC NR: AP6024595

SOURCE CODE: RU/0017/65/000/009/0461/0465

AUTHOR: Adrian, M. (Engineer); Dragan, I. (Engineer); Gazimirovici, E. (Engineer) 34

ORG: "Gheorghe Gheorghiu-Dej" Polytechnical Institute, Bucharest (Institutul Politehnic "Gheorghe Gheorghiu-Dej") B

TITLE: Studies on the establishment of the optimum reduction conditions in the cold rolling of substitution non-corrosive steels

SOURCE: Metalurgia, no. 9, 1965, 461-465

TOPIC TAGS: cold rolling, corrosion resistant steel, hot rolling, material deformation

ABSTRACT: A report on tests carried out with hot-rolled 3-millimeter steel strips. The authors found that deformations in the cold state can be achieved under good conditions up to the point where $h = 8.8$ millimeters ($\Delta h = 60$ to 70 percent); above this point, a thermal treatment is required. Orig. art. has: 11 figures and 8 tables. [Based on authors' Eng. abst.] [JPRS: 33,732]

SUB CODE: 13, 11 / SUBM DATE: none / ORIG REF: 001 / SOV REF: 004
OTH REF: 001

Card 1/1 BLG

UDC: 621.771.2:669.14.018.8

0915 2228

GAZIMOV, M.G.; MAKSUTOV, R.A.

Electrization of petroleum-gas flow. Nefteprom. delo no.8:29-31
'63. (MIRA 17:4)

1. Tatarskiy neftyanoy nauchno-issledovatel'skiy institut.

TYUNILYAYNEN, M.I.; LYUSTROVA, A.P.; GAZIMOV, M.Kh.; TUBAYEV, Yu.V.;
TIMOFEYEV, V.V.

Electronic butyrometer. Trudy Ural.politekh.inst. no.14:155-159
'61. (MIRA 16:6)

(Electronic measurements)

GAZIN, A.

Unit for washing crankshafts. Avt.transp. 40 no.11:30
N '62. (MIRA 15:12)
(Crank and crankshaft—Cleaning)

CAZIN, R. KH. (Irak'ssk)

Effect of ethyl alcohol on the structure and content of dreams
in chronic alcoholism and acute alcoholic psychoses. Trudy Gos.
nauch.-issl. inst. psikh. 40:2100-2108 '63 (MIRA 1967)

Dynamics of hallucinotic manifestations in acute alcoholic
psychoses following the introduction of bromide. Ibid. 2109-2117

Psychic changes in epileptic disease (genetic epilepsy) and
symptomatic epilepsy based on arachnoidoencephalitis. Ibid. 243-254

KOROTKOV, A.A.; PETROV, G.N.; GAZINA, A.G.; ANUFRIYEVA, L.A.

Role of soluble organoaluminum compounds in the process of
polymerization of isoprene by a complex catalyst. Dokl. AN
SSSR 162 no.4:821-823 Je '65. (MIRA 18:5)

1. Nauchno-issledovatel'skiy institut sinteticheskogo kauchuka
im. S.V.Lebedeva. 2. Chlen-korrespondent AN SSSR (for Korotkov).

GAZINAZAROV, A.

Let us take a pencil. Grazhd.av. 19 no.9:11 S '62. (MIRA 16:1)

1. Nachal'nik Uzbekskogo territorial'nogo upravleniya Grazhdanskogo
vozdušnogo flota.
(Uzbekistan--Aeronautics, Commercial--Finance)

MACFARLANE, D.; TERPIGOREVA, V.D.[translator]; GAZIRBEKOVA, A.Kh., otvet-
stvennyy reaktor; KOLOMIYTSYEV, A.D., redaktor izdatel'stva; NADZINSKAYA,
A.A., tekhnicheskiy redaktor

[Construction of modern English mine ventilators. Translated from
the English] Konstruktsii sovremennykh angliiskikh shakhtnykh venti-
liatorov. Perevod s angliiskogo V.D.Terpigorevoi. Moskva, Ugletekh-
izdat, 1956. 62 p. (MLRA 9:7)
(Great Britain--Mine ventilation)

J

USSR/Soil Science - Biology of Soils.

Abs Jour : Ref Zhur Biol., No 22, 1958, 100039

Author : Gazisullin, A.Kh., Khasanova, M.Kh.

Inst : Volga Region Forest Engineering Institute

Title : Character of the Total Microbiological Activity of the Principal Forest Soils in MASSR

Orig Pub : Sb. stud. rabot. Novolzhsk. lesotechn. in-t, 1956, vyp. 3, 89-91

Abstract : The total microbiological activity of the soil determined by the quantity of the carbon dioxide liberated from the soil under laboratory conditions. Simultaneously, the humus content (according to the method of J. E. Smith) and the pH value were determined. The more humus, the more microbiological activity was established in the litter. In the humus-accumulated horizon.

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GRBESA, Branislav, sanitetski potpukovnik, doc., dr.; KOPSA, Milan, sanitetski pukovnik, prof., dr.; GAZIVODA, Nikola, kapetan I kl., dr.

A case of optic neuroencephalomyelitis. Vojnosanit. pregl. 19 no.1:55-58 Ja '62.

1. Vojnomedicinska akademija u Beogradu, Klinika za zivcane bolesti, Ocna klinika.
(OPTIC NERVE dis) (ENCEPHALOMYELITIS case reports)

S

GAZIVUJA, Miroslav, sanitetski major, dr.

Some aspects of electroencephalographic findings in student pilots. Vojnosanit. pregl. 22 no.4:230-234 Ap'65.

1. Odeljenje za klinicku neuropsihijatriju i psihologiju,
Vazduhoplovno-medicinski institut u Zemunu.

GAZIVODA, Nikola, sanitetski major dr.

Analysis of cer-brocranial injuries in pilots. Vojnosanit. pregl.
22 no.10:628-631 0 '65.

1. Vazduhoplovnomedicinski institut.

OAZIYAN, N.I.

Characteristics of reservoir rocks of the Malkop series in the
Caspian Sea region. Azerb.neft.khoz. 36 no.3:7-10 Mr '57.
(MLRA 10:5)
(Caspian Sea Region--Petroleum geology)

GAZIYAN, N.I.; TAGIYEV, A.E.

Lithophysical characteristics of oil-reservoir rocks of the
Balakhan series of the region of Peschanyy Island. Azerb. neft.
khoz. 38 no.2:5-9 P '59. (MIRA 12:5)
(Peschanyy Island--Petroleum geology)
(Peschanyy Island--Gas, Natural--Geology)

GAZIYAN, N.I.

Characteristics of reservoir rocks in the upper Maikop of Kobystan
Trudy ANII DN no.9:76-82 '60. (MIRA 14:5)
(Kobystan—Oil sands)

GAZIY ANES, A.N., inzhener (stantsiya Murom).

Efficient forms for freight documentation. Zhel.dor.transp.39
no.1:68-69 Ja '57. (MLRA 10:2)
(Railroads--Freight)

GAZIYANTS, A.N., insh. (g.Murom.).

Advanced operational methods in freight depots. Zhel. dor. transp.
40 no.5:74-75 My '58. (MIRA 11:6)
(Railroads--Freight) (Loading and unloading)

GAZIYANTS, A.N., inzh.

New possibilities for improving the local freight handling. Zhel.dor.
transp. 42 no.10:69 O '60. (MIRA 13:10)

1. Nachal'nik Muromskogo ob'yedineniya transportnogo tsakha.
(Railroads--Freight)

FREYDZON, I.R., prof. doktor tekhn.nauk, inzh.-polkovnik; GAZIYEV, A.A.,
inzh.-kapitan 3-go ranga

Using the programmed method of instruction in training specialists
of the navy. Mor. sbor. 47 no.12:15-19 D '63. (MIRA 18:12)

LEBEDEV, A.A., inzh. polkovnik; KOSAREV, V.V., kapitan 2-go ranga; GAZIYEV,
A.A., inzh.-kapitan 3-go ranga.

How to facilitate the working out of training programs. Mor.
sbor. 49 no. 12:46-48 D ' 65 (MIRA 19:1)

L 02405-67

ACC NR: AP6015902

(N)

SOURCE CODE: UR/0375/65/000/012/0046/0048

AUTHOR: Lebedev, A. A. (Engineer, Colonel); Kosarev, V. V. (Commander); Gaziyeu, A. A. (Engineer, Lieutenant commander)

ORG: none

TITLE: How to simplify the development of course programs

SOURCE: Morskoy sbornik, no. 12, 1965, 46-48

TOPIC TAGS: programmed teaching, learning mechanism, EDUCATION

ABSTRACT: The use of linear and circular graphs in setting up course programs is discussed. A specific illustration in the development of a course of study on radio engineering equipment is given. The circular graph indicates the number of hours to be denoted to lectures, practical exercises and laboratory work for specialized and general courses within a given discipline. The linear graph indicates specific topics and states specifically what the student should know about a given topic. The authors conclude that with the aid of these graphs and diagrams, the course compiler can eliminate duplication of course material, more easily decide on the number of hours to be assigned to the study of various materials, choose the optimal sequence for presenting the material, and obtain a clear picture as to the actual volume of material to be studied. Orig. art. has: 2 figures.

SUB CODE: 05/

SUBM DATE: none

Card 1/1

SHKUL'TIN, Vasilii Ivanovich, inzh.; SHER, Yuliya Mikhaylovna,
kand. tekhn. nauk; GAZIYEV, Abdul Gafurovich, inzh.;
BAMM, Aleksandr Isaakovich, inzh.; NIKITIN, Grigoriy
Vasil'yevich, inzh.; POTOLOKOV, Sergey Ivanovich, inzh.;
DONNIKOVA, A.A., red.izd-va; GRECHISHCHEVA, V.I., tekhn.
red.

[Containers for shipment] Transportnaia tara. [By] V.I.
Shkul'tin. i dr. Moskva, Goslesbumizdat, 1963. 436 p.
(MIRA 16:11)

(Containers)

GAZIYEV, A.I.

Glutathione and sulfomucopolysaccharide metabolism in sarcoma-45
and in the organs of rats. Vop. onk. 11 no.3:68-73 '65.
(MIRA 18:6)

1. Iz biokhimicheskoy laboratorii (zav. - prof. A.I. Nikolayev)
Nauchno-issledovatel'skogo instituta rentgenologii, radiologii
i onkologii Ministerstva zdravookhraneniya UzSSR (dir. - prof.
D.M. Abdurasulov).

NIKOLAYEV, A.I.; GAZIYEV, A.I.

Content and the specific radioactivity of different forms of sulfur in the tumors and tissues of rats following the injection of tagged methionine. Vop. med. khim. 11 no.4:66-71 J1-Ag '65.
(MIRA 18:8)

1. Nauchno-issledovatel'skiy institut rentgenologii, radiologii i onkologii Ministerstva zdravookhraneniya Uzbekskoy SSR, Tashkent.

GAZIYEV, D.Sh.

Automatic tensioning of belts. Neftianik 5 no.8:18 Ag '60.
(MIRA 14:8)

1. Glavnyy mekhanik Ferganskogo nefte kombinata.
(Oil well pumps)
(Automatic control)

GAZIYEV, E., kand. tekhn. nauk

Sail-shaped dam. Izobr. i rats. no. 12:12 D '62.

(MIRA 15:12)

1. Sotrudnik Vsesoyuznogo ordena Lenina proyektno-izyskatel'skogo i nauchno-issledovatel'skogo instituta, Moskva.
(Glass reinforced plastics)

Gaziyev, E. G.

98-1-11/20

AUTHOR: Gaziyev, E.G., Engineer

TITLE: On Problems in Calculating the Length of Hydraulic Jumps
(K voprosu o raschete dliny gidravlicheskogo pryzhka)

PERIODICAL: Gidrotekhnicheskoye Stroitel'stvo, 1958, # 1, pp 46-48 (USSR)

ABSTRACT: The author criticized the formula developed by G.G. Bogdanov in his article "The Method of Theoretically Solving the Question on Determining the Length of Hydraulic Jumps", published in the periodical "Gidrotekhnicheskoye Stroitel'stvo", # 7, 1956. This formula yields satisfactory results within a limited region. The author makes two approaches to the problem. The obtained relations for determining the length of hydraulic jumps make it possible to apply the method also in cases when water flow-splitting devices are installed on top of the breakwaters. The author conducted seven experiments with varying-dimension current-dividers along the spillway. Coincidence of experimental data with the obtained relations was satisfactory, and confirmed the correctness of the assumptions.

AVAILABLE: Library of Congress

Card 1/1

GAZIYEV, E.G.

Hydraulic calculation methods of energy dissipators in the tail
water of hydraulic structures. Nauch. dokl. vys. shkoly; energ.
no.2:141-145 '58. (MIRA 11:11)

(Hydraulics)

GAZIYEV, E.G.

~~Hydraulic calculation of the strengthening of beds in under-~~
waters of spillways. Izv. AN Arm.SSR. Ser.tekhn.nauk 11
no.4:61-67 '58. (MIRA 11:10)

1. Moskovskiy ordena Lenina Energeticheskoy institut.
(hydraulic engineering)

GAZIYEV, E. G.: Master Tech Sci (diss) -- "The extinction of excess kinetic energy in underwater currents of hydraulic-engineering installations". Moscow, 1959. 18 pp (Min Higher Educ USSR, Moscow Order of Lenin Power Engineering Inst), 150 copies (KL, No 17, 1959, 108)

GAZIYEV, E.G., inzh.; SKREBKOV, S.P., inzh.

Calculation of the length of a hydraulic jump with consideration
of the width of the buttresses. Izv. vys. ucheb. zav.; energ.
4 no.1:101-106 Ja '61. (MIRA 14:2)

1. Moskovskiy ordena Lenina energeticheskiy institut. Predstavlena
kafedroy gidravliki. (Hydraulic jump)

GAZIYEV, E.G., kand.tekhn.nauk

Method of determining elastic properties of rock under natural
conditions. Gidr. stroi. 31 no.7:43-44 J1 '61. (MIRA 14:7)
(Rocks—Testing)

GAZIYEV, G. A., YANOVSKIY, M. I.

"A Radiometric Cell for Measuring the Radioactivity of Gases During the Volumetric-
Measuring the Radioactivity of Gases During the Volumetric-Chromatographic Separation
of Mixtures."

Problemy Atnashchey i Katalizatsiya, izdatiya in. Kazanskaya, Kazan, 1967, 141-90
AN SSSR, 1967, 141-90.

Most of the papers in this collection were published in the journal of
Inzhener in Kazan, 1967. Also took place in Kazan, 1967, 141-90.

GAZIYEV, G.A.; ZEL'VENSKIY, Ya.D.; SHALYGIN, V.A.

Liquid-vapor equilibrium in binary mixtures of ethyl alcohol -
isopropyl alcohol and carbon bisulfide - methyl iodide. Zhur. prikl.
khim. 31 no.8:1220-1227 Ag '58. (MIRA 11:10)
(Systems (Chemistry)) (Phase rule and equilibrium)

AUTHORS: Yanovskiy, M. I., Gaziyeu, G. A. SOV/ 20-120-4-34/67

TITLE: Application of Frontal Analysis in Gaseous-Liquid Chromatography of Radioactive and Not-Radioactive Gases (Primeneniye frontal'nogo analiza v gazo-zhidkostnoy khromatografii radioaktivnykh i neradioaktivnykh gazov)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 120, Nr 4, pp. 812-814 (USSR)

ABSTRACT: The frontal gaseous-liquid analysis is not widespread in practical analysis since with this method the dynamics of adsorption in the layer of the adsorbent are considerably complicated by displacement processes. Those processes are connected with the interaction of the mixture components during their adsorption on the surface (Reis 1-3). Therefore it is impossible to determine the composition of the mixture from the frontal diagram directly. Exhaustive data on the isothermal lines of adsorption of the mixtures and the individual components in the entire investigated field of concentration are required for computations. An insufficiently worked out adsorption theory of mixtures under static and dynamic conditions and the insufficiency of the experimental results

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SOV/20-120-4-34/67

Application of Frontal Analysis in Gaseous-Liquid Chromatography of Radioactive and Non-radioactive Gases

In this field limit the application of the mentioned analysis to a circle of systems which obey the adsorption equation of the Langmuir type (Lengmyer, Refs 2, 3). The attempt was made of using the frontal analysis in the mentioned chromatogram. Its developing variant found a widespread application (after the publication of Ref 4). The experiment consisted in an uninterrupted passage of the mixture through the column and a taking of a so-called frontal diagram. It characterizes the dependence between the concentration of components at leaving the column and the volume of the mixture having passed the column. Figure 1 shows some frontal diagrams in a diatomite-dibutyl-phthalate column. They prove that in a first approximation the interaction of the components in the phase without mobility may be neglected. Figure 2 shows the possibility of the analysis of an 8-component mixture (diatomite-nitrobenzene). Figure 2 b shows a gaseous-liquid developing chromatogram of the same mixture as figure 2a. By comparing the figures it can be seen that each step on the frontal diagram corresponds to a developing

Card 2/3

SOV/20-120-4-34/67
Application of Frontal Analysis in Gaseous-Liquid Chromatography of Radio-
active and Not-Radioactive Gases

maximum. The analysis mentioned in the title may apart from the radiochromatographical developing variant (Ref 5) be used for the determination of the specific radioactivity of the components of a gas mixture. The methods are described. Figure 3 shows a typical radiochromatogram of an air-propylene-divinyl-pentane mixture in hydrogen. There are 4 figures and 6 references, 5 of which are Soviet.

PRESENTED: January 2, 1958, by S. I. Vol'fkovich, Member, Academy of Sciences, USSR

SUBMITTED: December 31, 1957

1. Gases (Radioactive)--Chromatographic analysis 2. Gases--Chromatographic analysis 3. Adsorbents--Chemical effects

Card 3/3

28(5)

AUTHORS:

Oziraner, S. N., Gaziyeu, G. A.,
Yanovskiy, M. I., Korniyakov, V. S.

SOV/32-25-6-48/53

TITLE:

Ionization Detector With Prometium-147 for the Gas-chromatography
(Ionizatsionnyy detektor s prometiyeu-147 dlya gazovoy khromatografii)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 6, pp 760-761 (USSR)

ABSTRACT:

A gas analyzer is described with Pm^{147} as source of the ionizing β -radiation. Pm^{147} is electrolytically applied, in form of a thin oxide layer (surface 2 cm^2) and has a specific activity of 2.5 mC/cm^2 . The differential detector consists of two chambers separated from each other with teflon. The pure carrier gas flows continuously through one chamber, while the other one is connected with the chromatographing column, receiving the components to be analyzed. Measurements are carried out by means of an amplifier EMU-3 and potentiometer EPP-09; instead of the latter it is however also possible to use an automatic potentiometer EPPV-51. The schematical drawing of the construction of one of the ionization chambers is given (Fig 1). The described detector was tested on a chromatographic device of the usual type (Ref 6). The chromatograms obtained were compared with those obtained under the same conditions by the

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Ionization Detector With Prometium-147 for the Gas-chromatography SOV/32-25-6-48/53

thermoconductometric gas analyzer GEUK-2i. The chromatograms of a mixture of propylene, isobutylene and pentane (Fig 2) show that far more marked and precise diagrams were obtained by the ionization detector. It was found that the ionization detector is practically insensitive with respect to variations in the velocity of flow and temperature (Figs 3,4) and, therefore, well suited for separating substances with a high boiling point as well as for determinations at high temperatures. There are 4 figures and 6 references, 3 of which are Soviet.

ASSOCIATION: Institut fizicheskoy khimii Akademii nauk SSSR (Institute of Physical Chemistry of the Academy of Sciences, USSR)

Card 2/2

ROGINSKIY, S.Z.; YANOVSKIY, M.I.; LU PEY-CHZHAN; GAZIYEV, G.A.; ZHABROVA,
G.M.; KADENATSI, B.M.; BRAZHNIKOV, V.V.; NEYMARK, I.Ye.;
PIONTKOVSKAYA, M.A.

Chromatographic determination of the adsorption isotherms of
gases and of the specific surface of solids. Kin.i kat. 1
no.2:287-293 JI-Ag '60. (MIRA 13:8)

1. Institut fizicheskoy khimii AN SSSR.
(Adsorption)

S/195/60/001/004/007/015
B017/B055

AUTHORS: Gaziyev, G. A., Yanovskiy, M. I., Brazhnikov, V. V.

TITLE: Simplified Chromatographic Method for the Determination of Adsorbent and Catalyst Surfaces

PERIODICAL: Kinetika i kataliz, 1960, Vol. 1, No. 4, pp. 548-552

TEXT: A simple and rapid chromatographic method for the determination of adsorbent and catalyst surfaces was developed. The surface area was found by determining the vapor volume of reaction products adsorbed on adsorbents and catalysts at fairly low concentrations. Fig. 1 gives a scheme of the experimental arrangement. The surfaces of adsorbents and catalysts were calculated by the equation $S_g = A \cdot V_g$ (5), where S_g is the specific surface and V_g is the specific volume of adsorbed vapor. The method was tested using various adsorbents and catalysts and the results are listed in a table. The relation between the surface area of various adsorbents and catalysts and the volume adsorbed, as determined for

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Simplified Chromatographic Method for the S/195/60/001/004/007/015
Determination of Adsorbent and Catalyst Surfaces B017/B055



n-heptane, is shown graphically in Fig. 3. Experimental and calculated values are in good agreement. The dependence of V_g on the amount of the liquid sample introduced is shown graphically in Fig. 4. According to Table 5, the experimental and calculated values at various carrier gas velocities are in good agreement. N_2 or Ar were used as carrier gas. A linear relationship was found to exist between the adsorbed volume and the specific surfaces of the adsorbents and catalysts. There are 5 figures, 1 table, and 10 references: 3 Soviet, 2 US, 1 British, and 3 German.

ASSOCIATION: Institut fizicheskoy khimii AN SSSR (Institute of Physical Chemistry of the AS USSR)

SUBMITTED: April 28, 1960

Card 2/2

81147

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S/030/60/000/05/05/056
B015/B008

AUTHORS: Yanovskiy, M. I., Candidate of Chemical Sciences,
Gaziyev, G. A.

TITLE: Gas - Liquid Radiochromatograph

PERIODICAL: Vestnik Akademii nauk SSSR, 1960, No. 5, pp. 27-31

TEXT: A few days are required for conducting a complete radiochemical analysis of a complicated mixture by the present method. The Institut fizicheskoy khimii Akademii nauk SSSR (Institute of Physical Chemistry of the Academy of Sciences, USSR) succeeded in conducting such a radiochemical analysis in a time required for a chromatographic analysis alone (15-30 minutes), by combining the methods of the chromatographic analysis which takes 15-30 minutes with the measuring of the radioactivity of materials in the flow. On the basis of this principle, some types of radiochromatographs were worked out, built and tested at the Institute, as can be seen from the paper by M. I. Yanovskiy, D. S. Kapustin, V. A. Nogotkov-Ryutin. The gas chromatograph by S. N. Oziraner, G. A. Gaziyev, M. I. Yanovskiy and V. S. Korniyakov, the scheme of which

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Gas - Liquid Radiochromatograph

S/030/60/000/05/05/056
B015/B008

can be seen in Fig. 1, and which is described in detail, proved to be the best. One of the chambers of the ionization detector is shown in Fig. 2 and a proportional counter in Fig. 3. In contrast with the detector with an Sr^{90} source, described in publications, the radiation of the Pm^{147} is used as ionizing radiation in the paper under review. A typical radiochromatogram of a mixture of radioactive and nonradioactive gases and vapors is shown in Fig. 4. A number of investigations were conducted at the Institute of Physical Chemistry, at the laboratoriya S. Z. Roginskogo (Laboratory of S. Z. Roginskiy) by means of this radiochromatograph, which showed good prospects for the application of radiochromatography and chromatography for the solution of various problems of kinetics and catalysis. The formation of butylenes according to S. V. Lebedev could be clarified by means of radiochromatographic methods. It is assumed that the radiochromatographic method will allow the determination of the relative adsorption coefficients of individual products in the course of the catalytic reaction. There are 4 figures and 2 non-Soviet references.

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S/020/60/133/004/040/040XA
B004/B067

AUTHORS:

Roginskiy, S. Z., Corresponding Member of the AS USSR,
Yanovskiy, M. I., Lu Pey-chzhan, Gaziyeu, G. A., Zhabrova,
G. M., Kadenatsi, B. M., and Brazhnikov, V. V.

TITLE:

Rapid Chromatographic Method of Measuring the Adsorption
Isotherms of Gases and Vapors

PERIODICAL:

Doklady Akademii nauk SSSR, 1960, Vol. 133, No. 4,
pp. 878-881

TEXT: Since in heterogeneous catalysis the dimensions of the specific surface are of great importance, the authors attempted to develop a rapid method of determining the specific surface. Their studies were based on a paper by J. N. Wilson (Ref. 1) where the relation between the chromatographic curve and the form of the isotherm is theoretically studied. The results were compared with those of the ordinary vacuum technique. Fig. 1 shows the scheme of the experimental apparatus. The gas analyzer was an ionization detector on the basis of Pm^{147} (Ref. 5). The adsorption of heptane was measured. Nitrogen and sometimes argon were used as carriers.

Card 1/4

APPROVED FOR RELEASE: 07/19/2001

Rapid Chromatographic Method of Measuring the S/020/60/133/004/040/040XX
Adsorption Isotherms of Gases and Vapors B004/B067

The height of the steps recorded corresponds to the initial concentration C_0 of the adsorbate. The desorption curves recorded on blowing the pure carrier gas through the column permit the calculation of the isothermal line of adsorption. In a variation of this method, the column is not saturated, but the sample is periodically injected into the column through which the carrier gas flows. The experiment then lasts only 10-15 min. On the assumption of an immediately established equilibrium and the absence of longitudinal diffusion, the adsorption was calculated from the following equations: $f(C) = \omega k S_i / u g (2)$, where $f(C)$ is the amount of the substance

adsorbed by 1 g of adsorbent (mmole/g) in which C is the equilibrium concentration; k is the constant of the detector (mmole/cm².cm); u is the speed of the recorder tape; g is the weight of the adsorbent (g); and S_i is the area below the desorption curve. The following adsorbents were used: refractory diatomite bricks, silica gel of the type E (Ye), nickel-hydroxide gel, nickel catalyst, MgO produced from $Mg(NO_3)_2$, $ZnO + 14.5 ZnSO_4$, and carbon black. The values for MgO, silica gel Ye, nickel hydroxide, and diatomite were in good agreement with those obtained by the vacuum technique. For adsorbents with a large number of very narrow pores (active

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Rapid Chromatographic Method of Measuring the Adsorption Isotherms of Gases and Vapors

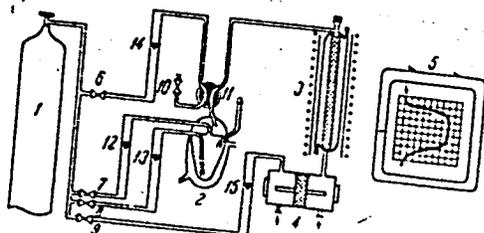
S/020/60/133/004/040/040XX
B004/B067

coal) the results were unsatisfactory. The range of application of the chromatographic method must be further studied. The authors thank I. Ye. Neymark and M. A. Piontrovskiy for preparing the coarse-pored silica gel Ye and nickel-hydroxide samples. There are 4 figures, 1 table, and 5 references: 2 Soviet, 1 US, 1 British, 1 Dutch, and 1 Hungarian.

ASSOCIATION: Institut fizicheskoy khimii Akademii nauk SSSR (Institute of Physical Chemistry of the Academy of Sciences USSR)

SUBMITTED: January 28, 1960
Legend to Fig. 1: 1: cylinder with carrier gas; 2: bubbler with adsorbate; 3: chromatographic column; 4: gas analyzer; 5: recording potentiometer; 6-10: fine-regulating valves; 11: four-way cock; 12-15: rheometers.

S/020/60/133/004/040/040XX
B004/B067



Card 4/4

GEAZIY V GA

PHASE I BOOK EXPLOITATION

SOV/5486

137

Vsesoyuznoye soveshchaniye po vnedreniyu radioaktivnykh izotopov i yadernykh izlucheniyy v narodnoye khozyaystvo SSSR. Riga, 1960.

Radioaktivnyye izotopy i yadernyye izlucheniya v narodnom khozyaystve SSSR; trudy soveshchaniya v 4 tomakh. t. 1: Obshchiye voprosy primeneniya izotopov, pribory s istochnikami radioaktivnykh izlucheniyy, radiatsionnaya khimiya, khimicheskaya i neftepererabatyvayushchaya promyshlennost' (Radioactive Isotopes and Nuclear Radiations in the National Economy of the USSR; Transactions of the Symposium in 4 Volumes. v. 1: General Problems in the Utilization of Isotopes; Instruments With Sources of Radioactive Radiation; Radiation Chemistry; the Chemical and Petroleum-Refining Industry) Moscow, Gostoptekhnizdat, 1961. 340 p. 4,140 copies printed.

Sponsoring Agency: Gosudarstvennyy nauchno-tekhnicheskyy komitet Soveta Ministrov SSSR, and Gosudarstvennyy komitet Soveta Ministrov SSSR po ispol'zovaniyu atomnoy energii.

Ed. (Title page): N.A. Petrov, L.I. Petrenko and P.S. Savitskiy; Eds. of this Vol.: L.I. Petrenko, P.S. Savitskiy, V.I. Sinitsin, Ye. M. Kolotyarkin, N.P. Syrkin and R.F. Romm; Executive Eds.: Ye. S. Levina and B. F. Titskaya; Tech. Ed.: E.A. Mukhina.

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Radioactive Isotopes (Cont.)

SOV/5486

PURPOSE: The book is intended for technical personnel concerned with problems of application of radioactive isotopes and nuclear radiation in all branches of the Soviet economy.

COVERAGE: An All-Union Conference on problems in the introduction of radioactive isotopes and nuclear radiation into the national economy of the Soviet Union took place in Riga on 12-16 April 1960. The Conference was sponsored by: the Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta Ministrov SSSR (State Scientific and Technical Committee of the Council of Ministers, USSR); Glavnoye upravleniye po ispol'zovaniyu atomoy energii pri Sovete Ministrov SSSR (Main Administration for the Utilization of Atomic Energy of the Council of Ministers, USSR); Academy of Sciences, USSR; Gosplan USSR; Gosudarstvennyy komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniyu (State Committee of the Council of Ministers, USSR, for Automation and Machine Building) and the Council of Ministers of the Latvian SSR. The transactions of this Conference are published in four volumes. Volume I contains articles on the following subjects: the general problems of the Conference topics; the state and prospects of development of radiation chemistry; and results and prospects of applying radioactive isotopes and nuclear radiation in the petroleum refining and chemical industries. Problems of designing and manufacturing instruments which contain sources of radioactive radiation and are used for checking and automation of technological processes are examined, along with problems of accident prevention in their use. No personalities are mentioned. References accompany some of the articles.

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Radioactive Isotopes (Cont.)

SOV/5486

- Oziraner, S.N., G.A. Gaziyev, M.I. Yanovskiy, V.S. Kornyakov and Yu. I. Kapshanirov. Utilization of Promethium-147 in a Highly Sensitive Ionization Gas Analyzer 278
- Manoylov, V. Ye., Yu. Ya. Loznovskiy, N.I. Osipov, Ye. Kh. Gel'gren, and S.F. Denisov. Installation for Automatic Checking of the Thickness of Polyethylene Film 283
- Votlokhin, B.Z., A.Z. Dorogochinskiy, and N.P. Mel'nikova. Implementation of a Radiometric Method for Checking Successive Pumping of Petroleum and Petroleum Products in Main Pipelines 288
- Alimarin, I.P., Yu. V. Yakovlev, M.N. Shulepnikov, and G.P. Perezhogin. Determination of Small Quantities of Admixtures in Thallium, Gallium, Phosphorus, and Antimony, Using the Method of Radioactivating Analysis 293
- Gorshteyn, G.I. Application of Radioactive Isotopes for Checking the Fractionation of Microimpurities in Developing Methods for Obtaining High-Purity Inorganic Substances 298
- Card-11/12

GAZIYEV, G.A.; OZIRANER, S.N.; YANOVSKIY, M.I.; KORNYAKOV, V.S.

Effect of some parameters on the functioning of an ionization
detector for Pm^{147} . Zhur. fiz. khim. 35 no.5:1150-1152 My '61.
(MIRA 16:7)

1. Institut fizicheskoy khimii AN SSSR.
(Promethium--Isotopes) (Ionization)

GAZIYEV, G.A.; KRYLOV, O.V.; ROGINSKIY, S.Z.; SAMSONOV, G.V.; FOKINA, Ye.A.;
YANOVSKIY, M.I.

Dehydrogenation of cyclohexane on certain carbides, borides, and
silicides. Dokl. AN SSSR 140 no.4:863-866 O '61. (MIRA 14:9)

1. Chlen-korrespondent AN SSSR (for Roginskiy).
(Cyclohexane) (Dehydrogenation) (Catalysts)

ROGINSKIY, S.Z.; YANOVSKIY, M.I.; GAZIYEV, G.A.

Chemical reactions under chromatography conditions. Dokl.
AN SSSR 140 no.5:1125-1127 0 '61. (MIRA 15:2)

1. Institut khimicheskoy fiziki AN SSSR. 2. Chlen-korrespondent
AN S.S.R (for Roginskiy).

ROGINSKIY, S.Z.; YANOVSKIY, M.I.; GAZIYEV, G.A.

Catalytic reactions and catalysts under chromatographic investigation conditions. *Kin.i kat.* 3 no.4:529-540 J1-Ag '62.
(MIRA 15:8)

1. Institut khimicheskoy fiziki AN SSSR.
(Catalysis) (Gas chromatography)

GAZIYEV, G.A.; FILINOVSKIY, V.Yu.; YANOVSKIY, M.I.

Kinetics of heterogeneous catalytic reactions carried out under pulse-chromatographic operating conditions of ideal linear chromatography. *Kin.i kat.* 4 no.5:688-697 S-0 '63. (MIRA 16:12)

1. Institut khimicheskoy fiziki AN SSSR.

YANOVSKIY, M.I.; GAZIYEV, G.A.; NIKIFOROV, V.P.; MAKARENKO, V.G.; ZIMIN,
R.A.; MARININ, P.I.; FRANK, Yu.A.

Gas chromatograph with automatic pickup of samples from a flow.
Zav. lab. 31 no. 12:1526-1528 '65 (MIRA 19:1)

1. Institut khimicheskoy fiziki AN SSSR.

GAZIYEV, G.M.

Replantation method of treating granulomatous and cystogranulomatous
teeth. Azerb.med.zhur. no.10:50-52 0 '59. (MIRA 13:2)
(TEETH--TRANSPLANTATION)

GAZIYEV, KH. K.

Gaziyev, Kh. K.

"Planning the Water-Distribution Parts in Transferring to a New System of Irrigation under the Conditions of the Chuya Valley, Kirgiz SSR." Min Higher Education USSR. Tashkent Inst of Engineers of Irrigation and Mechanization of Agriculture. Frunze, 1955. (Dissertation for the Degree of Candidate in Technical Science.)

Knizhnaya Letopis': No. 27, 2 July 1955

ГАСИЕВ, Н. И.

Shutov, D. A., Gasiyev, N. I. and Kuzina, T. F. "On the variability of the ascorbic acid content in the leaves of some evergreen trees under the vegetation conditions of the city of Baku", *Trudy Azerbaydzh. gos. un-ta im. Kirova, Biol. seriya*, Vol. III, Issue 3, 1948, p. 51-61, - Bibliog: 9 items.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 10, 1949).

GAZIYEV, T. I.

USSR/Cultivated Plants - Grains

M-4

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1518

Author : T.I. Gaziya, V. Sh. Guliyev

Inst : Not Given

Title : Corn and its Viological Peculiarities.

Orig Pub : Azerb. mektebi, 1956, No 10, 37-41

Abstract : No abstract

Card : 1/1

GAZIYEV, Y. I.

8086

STUDIES OF DOUBLE-LENS β SPECTROMETER AND THE
IMPROVEMENT OF ANNULAR FOCUSING. Ya I. Gaziev,
K. P. Mitrofanov, and V. S. Shpinal (Moscow, Lomonosov
State Univ., 2nd Research Inst. of Physical Invest. Akad.
Nauk S.S.S.R. Ser. Fiz. 20, 1407-10(1956) Dec. (in Russian)

Experimental investigations were made of double-lens
 β -spectrometer focusing properties and of the annular fo-
cusing improvement achieved by internal correcting coil.
The construction scheme, electron trajectories, and the
effects of the internal coil are shown (H.V.J. 27)

Link
MT
KSS

L 3101-66 EWT(1)/EWT(m)/ECG DIAAP GS/GW UR/0000/65/000/000/0153/0163
ACCESSION NR: AT5023933

AUTHOR: Gaziyev, Ya. I.

37

B+1

TITLE: Dispersion of aerosols in global radioactive pollution of the atmosphere

SOURCE: Nauchnaya konferentsiya po yadernoy meteorologii. Obninsk, 1964. Radio-
aktivnyye izotopy v atmosfere i ikh ispol'zovaniye v meteorologii (Radioactive iso-
topes in the atmosphere and their use in meteorology); doklady konferentsii.
Moscow, Atomizdat, 1965, 153-163

TOPIC TAGS: nuclear meteorology, radioactive tracer, radioactive aerosols, atmos-
pheric pollution, radioactive cloud, radioactive fallout, nuclear explosion, aerosol
washout, troposphere, stratosphere

ABSTRACT: This paper consists of a brief review of the work of several scientists
from several different countries. The theoretical aspects of the problem are
represented by the work of Magee (formation of aerosols during nuclear explosions),
Stewart (spectra of particle dimensions), Rayzer (formation of condensates in steam),
Greenfield (relationship of aerosol size to washout rate), and Junge (coagulation
in the stratosphere). Experimental work reviewed includes Holland's work on strato-
spheric radioactive aerosol dispersion, Kalksteins' research on tropospheric dis-
persion of radioactive particles, and Schuman's work on β -activity in radioactive
Card 1/2

L 3101-66

ACCESSION NR: AT5023933

aerosols in relation to particle size. Problems seen by the author as requiring further research are the improvement of theoretical models of the processes of radioactive particle formation during nuclear explosions, and the need to make the transition from episodal measurement of the dispersed state of radioactive aerosols in the atmosphere to systematic geophysical studies, with special emphasis on problems relating to aerosol particle washout. Orig. art. has: 3 figures and 4 tables. [ER]

ASSOCIATION: none

SUBMITTED: 28Apr65

ENCL: 00

SUB CODE: ES, NP

NO REF. SOV: 001

OTHER: 013

ATD PRESS: 4101

Beh

Card 2/2

L 3103-66 EWT(1)/EWT(m)/FCC/EWA(h) GS/GW

UR/0000/65/000/000/0181/0185

ACCESSION NR: AT5023935

AUTHOR: Gaziyev, Ya. I.; Nazarov, L. Ye.

37
0871

TITLE: Dispersion of radioactive aerosols in the stratosphere

SOURCE: Nauchnaya konferentsiya po yadernoy meteorologii. Obninsk, 1964. Radio-
aktivnyye izotopy v atmosfere i ikh ispol'zovaniye v meteorologii (Radioactive
isotopes in the atmosphere and their use in meteorology); doklady konferentsii.
Moscow, Atomizdat, 1965, 181-185

TOPIC TAGS: nuclear meteorology, atmospheric pollution, radioactive fallout,
radioactive aerosol, aerosol dispersion, radioactive tracer, stratospheric disper-
sion

ABSTRACT: Results are given for studies carried out to determine the dispersion
of radioactive aerosols (Ce^{144} , Sr^{90} , and Cs^{137}) present in the stratosphere
(19—21-km level and 2—3 years after nuclear testing) over the central part of
European USSR in 1961. The procedures and instruments used are briefly described.
The low rate of influx into the stratosphere of radioactive aerosols from the
mesosphere during this period is also discussed. Results are compared with the
findings of other investigators. Orig. art. has: 2 figures. [ER]

Card 1/2

L 3103-66

ACCESSION NR: AT5023935

ASSOCIATION: none

SUBMITTED: 28Apr65

NO REF SOV: 000

ENCL: 00

OTHER: 007

SUB CODE: ES, NP

ATD PRESS: 4101

PC
Card 2/2

L 3104-66 EWT(1)/EWT(m)/FCC/EWA(h) GS/GW

ACCESSION NR: AT5023936

UR/0000/65/000/000/0186/0192

AUTHOR: Gaziyev, Ya. I.; Nazarov, L. Ye.
44,55 44,55

31
B+1

TITLE: Fluctuations in the dispersed composition of radioactive aerosols in the surface boundary layer of the atmosphere

SOURCE: Nauchnaya konferentsiya po yadernoy meteorologii. Obninsk, 1964. Radioaktivnyye izotopy v atmosfere i ikh ispol'zovaniye v meteorologii (Radioactive isotopes in the atmosphere and their use in meteorology); doklady konferentsii. Moscow, Atomizdat, 1965, 186-192

44,55

TOPIC TAGS: nuclear meteorology,^{12,44,55} micrometeorology, atmospheric pollution, radioactive aerosol, radioactive fallout, aerosol dispersion, atmospheric boundary layer

ABSTRACT: This paper describes the equipment and procedures used in and the results of a study of coarsely and finely dispersed, artificial, radioactive aerosols in the surface boundary layer of the atmosphere over the Moscow region for the period January-May 1964. Continuous aerosol measurements made daily for a 10 to 12-hr period were averaged for a two-day period, instead of the much longer periods used

Card 1/2

L 3104-66

ACCESSION NR: AT5023936

in previous studies. Relationships found to exist between changes in aerosol particle sizes and volumes and several meteorological parameters are summarized. Orig. art. has: 1 figure and 2 tables. [ER]

ASSOCIATION: none

SUBMITTED: 28Apr65

NO REF SOV: 004

ENCL: 00

OTHER: 003

SUB CODE: ES, NP

ATD PRESS: 4101

PC
Card 2/2

L 61479-65 EWT(m) Peb DIAAP DM

ACCESSION NR: AF5020194

UR/0089/65/018/005/0535/0537

AUTHOR: Gaziyev, Ya. I.; Malakhov, S. G.; Nazarov, L. Ye.TITLE: Fractionation of radioactive isotopes in hot particlesSOURCE: Atomnaya energiya, v. 18, no. 5, 1965, 535-537

TOPIC TAGS: radioisotope, nuclear particle, gamma spectrometer

ABSTRACT: Fractionation of ^{141}Ce , ^{103}Ru , and $^{95}\text{Zr} + ^{95}\text{Nb}$ in various hot particles was measured in the Moscow region in 1962. Aerosol samples collected at sea level and 5000 m were grouped according to their beta activity. The content of $^{141}\text{Ce} + ^{144}\text{Ce}$, ^{103}Ru and $^{95}\text{Zr} + ^{95}\text{Nb}$ was measured with a gamma spectrometer with the order of error not exceeding 10% and ^{103}Ru not exceeding 20%. The maximum error in determining the activity ratio of $A(^{95}\text{Zr} + ^{95}\text{Nb})/A(^{141}\text{Ce} + ^{144}\text{Ce})$ was 15% and for $A(^{95}\text{Zr} + ^{95}\text{Nb})/A(^{103}\text{Ru})$ and $A(^{103}\text{Ru})/A(^{141}\text{Ce})$ was 25%. The tabulated data on fractionation

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L 61479-65

ACCESSION NR: AP5020194

of hot particles ^{103}Ru and $^{141}\text{Ce} + ^{144}\text{Ce}$ in ratio to $^{95}\text{Zr} + ^{95}\text{Nb}$ and in relation to beta activity showed that in 10^{-10} C particles and over there is a shortage of ^{103}Ru and $^{141}\text{Ce} + ^{144}\text{Ce}$ in proportion to $^{95}\text{Zr} + ^{95}\text{Nb}$; in particles with a high level of beta activity the content of ^{103}Ru is negligible in comparison to $^{95}\text{Zr} + ^{95}\text{Nb}$. Orig. art. has: 1 table, 1 graph, 1 formula.

ASSOCIATION: none

SUBMITTED: 20May64

ENCL: 00

SUB CODE: NP

NR REF SOV: 001

OTHER: 004

NA

RP
2/2
Card

GASIYEV, I. I.; MALAKHOV, G. G.; NAZAROV, I. E.; SILANT'YEV, A. N.

"The size distribution of radioactive particles from nuclear weapon tests and their transport in the atmosphere.

paper to be presented at Symp on Atmospheric Chemistry, Circulation & Aerosols, Visby, Sweden, 18-25 Aug 1965.

Hydrometeorological Service USSR.